Cloud Printing BOF Face-to-Face Minutes
December 8, 2010

Meeting was called to order at approximately 9:15 am (local) December 8, 2010.

Attendees

Danny Brennan (IBM)
Peter Cybuck (Kyocera)
Nehal Dantwala (Samsung)
Tim Deppa (Okidata)
Lee Farrell
Niels Hoy (MPI Tech - call in)
Constantinos Kardamilas (Samsung)
Ashish Khandelwal (…)
Ira McDonald (High North/Samsung)
Andrew Mitchell (HP)
Joe Murdock (Sharp)
Fumio Nagasaka (Epson)
Glen Petrie (Epson - call in)
Mark Van Regenmorter (Samsung)
Amir Shahindoust (Toshiba)
Ajay Sharma (Samsung)
Ole Skov (MPI Tech - call in)
Brian Smithson (Ricoh)
René Sondergaard (MPI Tech - call in)
Dinesh Srirangpatna (Samsung)
Michael Sweet (Apple)
Jerry Thrasher (Lexmark)
Paul Tykodi (TCS)
Bill Wagner (TIC)
Rick Yardumian (Canon)
Pete Zehler (Xerox - call in)

Agenda Items

1. IP Policy and Minute Taker
   a. Policy accepted with Mike taking the minutes
2. Discussion:
   a. Q: Do we do cloud printing with IPP Everywhere? No
      - Pete: Separate, IPP Everywhere started as a peer print solution
      - Bill: Align requirements/attributes but not operations
      - Andrew: Discovery, firewall traversal, cloud is addendum to IPP Everywhere
      - Pete: Cloud is an application service today
      - Bill: Many different implementations marketed as cloud printing - call it something else? We don't have clout to push our own - we didn't come up with it…
      - Fumio: Cloud solutions driven by customer requirements
      - Focus on model so that we can support "cloud", but too early to standardize since cloud providers are doing their own
      - Create requirements and model for discovery and registration, map to existing protocols (DNS, LDAP, SLP)
      - Requirements/reference model for discovery, augment existing schemas as needed
      - Requirements/reference model for registration, augment as needed
      - Conformance levels of IPP Everywhere - local, global, etc.
      - Identify "paths" for different use cases/protocols
      - Our role should be to get cloud print vendors to adopt our semantic model, etc.
   b. Cloud observations
      - Job bound to printer, driver used on client
         - Need device-id or other meta data for driver selection
      - Job bound to cloud/service, generic formats used on client

- Job tickets separated from document data
- Transform can happen on client, in cloud, or at the printer?
- JDF used for job tickets? As part of services/systems, but not available as a library/ component - lots of IP involved due to the complexity of JDF, digital vs. offset print, etc.
- Cloud != mobile
c. Cloud concerns:
- Document transforms
- Job ticket transforms
d. Cloud recommendations
- OpenPrinting JTAPI for job tickets and transforms
e. Action: Setup liaison with CIP4 in order to maintain, share, and publish a JDF<->IPP/PWG job ticket mapping document.
- Also sync up with OpenPrinting set
- Develop JDF Mobile ticket subset so as to not scare away vendors?
f. Not discovery of printers, but enumeration of registered printers
g. Cloud requirements
- Scalable enumeration for selection
- Capabilities
- Geolocation
- etc.
- Scalable job tickets
h. Client -> CPP
- Registration
- Enumeration
- Source and destination (geo)location
- Job ticket (including format)
- Cost, time, and other availability/limiting attributes

Next Steps / Open Actions

- Start use case discussions on cloud mailing list
- Continue Client/Cloud Print Provider investigations
- Action: Steering committee to setup liaison with CIP4 in order to maintain, share, and publish a JDF<->IPP/ PWG job ticket mapping document.